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Search information block:
Query: US-09-525-998A-2
Query length: 455
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Patent No. 6007445
GENERAL INFORMATION:
APPLICANT: Brenda F. Baker and Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODELATION OF [INFR]
TITLE OF INVENTION: EXPRESSION
NUMBER OF SEQUENCES: 91
CORRESPONDENCE ADDRESS:
ADDRESSEE: Isis Pharmaceuticals, Inc.
STREET: 2292 Faraday Avenue
CITY: Carlsbad
STATE: CA
COUNTRY: U.S.A.
ZIP: 92008
COMPUTER READABLE FORM:
MEDIUM TYPE: 1.5 inch disk, 1.44 Mb
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Windows NI
SOFTWARE: Microsoft Word 97
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US-09-106-048A
FILING DATE: June 26, 1998
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Lauren Spear Hornstein
REGISTRATION NUMBER: 37,280
REFERENCE/DOCKET NUMBER: ISIS-0604
TELECOMMUNICATION INFORMATION:
TELEPHONE: (760) 931-9200
TELEFAX: (760) 931-9639
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 2161
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

US-09-106-048A-1

alignment_scores:
Score: 2487.00   Length: 455
Ratio: 5.466   Gaps: 0
Percent Similarity: 100.000   Percent Identity: 100.000

Align ...
US-09-525-998A-2 x US-09-106-048A-1

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seq_documentation_block:
; Sequence 1, Application US/08321668
; Patent No. 5665859
;  GENERAL INFORMATION.
;    APPLICANT:  WALLACH, David
;    APPLICANT:  BRAKEBUSCH, Cord
;    APPLICANT:  VARFOLOMEEV, Eugene
;    APPLICANT:  BATKIN, Michael
;    TITLE OF INVENTION:  MOLECULES INFLUENCING THE SHEDDING OF
;    TITLE OF INVENTION:  THE TNF RECEPTORS, THEIR PREPARATION AND THEIR USE
;    NUMBER OF SEQUENCES:  42
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  BROWDY AND NEIMARK
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  D.C.
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE.  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/321,668
;      FILING DATE:  12-OCT-1994
;      CLASSIFICATION:  435
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  IL 107268
;      FILING DATE:  12-OCT-1993
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  BROWDY, Roger L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  WALLACH-13
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  202-628-5197
;      TELEFAX:  202-737-3528
;      TELEX:  248633
;  INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2175 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  CDS
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; LOCATION: 256..1620
US-08-321-668-1

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     Ratio: 5.466   Gaps: 0
Percent Similarity: 100.000   Percent Identity: 100.000

alignment_block:
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Align seq 1/1 to: US-08-321-668-1   from: 1   to: 2175

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1606 CCCAGTCTTCTCAGA   1620
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seq_name: ...

COMPUTER READABLE FORM:
  MEDIUM TYPE: Floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: PatentIn Release #1.0 Version #1.30
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: US/08/837,941
  FILING DATE: 28-APR-1997
  CLASSIFICATION: 435
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: US 08/321,668
  FILING DATE: 12-OCT-1994
  APPLICATION NUMBER: 11.107268
  FILING DATE: 12-OCT-1993
ATTORNEY/AGENT INFORMATION:
  NAME: BROWDY, Roger L.
  REGISTRATION NUMBER: 25,618
  REFERENCE/DOCKET NUMBER: WALLACH-13
TELECOMMUNICATION INFORMATION:
  TELEPHONE: 202-628-5197
  TELEFAX: 202-737-3528
  TELEX: 248633

INFORMATION FOR SEQ ID NO: 1:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 2175 base pairs
    TYPE: nucleic acid
    STRANDEDNESS: single
    TOPOLOGY: linear
  MOLECULE TYPE: cDNA
  FEATURE:
    NAME/KEY: CDS
    LOCATION: 256..1620

US-08-837-941-1

alignment_scores:
  Quality: 2487.00   Length: 455
  Ratio: 5.466   Gaps: 0
  Percent Similarity: 136.000   Percent Identity: 100.000

alignment_block:
US-09-525-998A-2 x US-08-837-941-1

Align seq 1/1   to: US-08-837-941-1   from: 1   to: 2175

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1156 CCCGGGGACTGTCCGAATTTTGCGGCCCCGAGAGGTGGCACCCACC 1205

317 oTyrGlnGlyAlaAspProIleLeuAlaThrAlaLeuAlaSerAspProI 334
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1206 CTATCAGGGTGCAGATCCAATCCTGGCAACTGCTCTGGCATCAGACCCA 1255

334 leProAsnProLeuGlnLysTrpGluAspSerAlaHisLysProGlnSer 350
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seq_documentation_block:
; Sequence 1, Application US/08126016
; Patent No. 5811261
(1) GENERAL INFORMATION:
;    APPLICANT: WALLACH, DAVID
;    APPLICANT: NOPHAR, YARON
;    APPLICANT: KEMPER, OLIVER
;    APPLICANT: ENGELMANN, HARTMUT
;    APPLICANT: BRAKEBUSCH, CORD
;    APPLICANT: ADERKA, DAN
;    TITLE OF INVENTION: EXPRESSION OF THE RECOMBINANT TUMOR
;    TITLE OF INVENTION: NECROSIS FACTOR BINDING PROTEIN 1 (TBP-1)
;    NUMBER OF SEQUENCES: 26
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE: Browdy and Neimark
;      STREET:  419 Seventh Street, N.W., Suite 300
;      CITY:  Washington
;      STATE:  DC
;      COUNTRY:  USA
;      ZIP:  20004
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE: Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM: PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/126,016
;      FILING DATE:  24-SEP-1993
;      CLASSIFICATION:  445
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER: US 07/625668
;      FILING DATE:  13-DEC-1990
;    ATTORNEY/AGENT INFORMATION:
;      NAME: BROWDY, ROGER L.
;      REGISTRATION NUMBER:  25,618
;      REFERENCE/DOCKET NUMBER:  WALLACH4
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE: 202-628-5197
;      TELEFAX:  202-737-3528
;      TELEX:  248633
(2) INFORMATION FOR SEQ ID NO:  1:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  2175 base pairs
;      TYPE:  nucleic acid
;      STRANDEDNESS:  single
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  cDNA
;    FEATURE:
;      NAME/KEY:  CDS
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us-08-126-016-1
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Align seq 1/1 to: US-08-126-016-1   from: 1   to: 2175

(sequence alignment data, largely illegible)

; NAME: Robbins, Roberta L.
; REGISTRATION NUMBER: 33,208
; REFERENCE/DOCKET NUMBER: 5150-0030
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 617-8999
; TELEFAX: (415) 327-3231

; INFORMATION FOR SEQ ID NO: 24:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2062 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA to mRNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 155..1519
US-08-050-319B-24

alignment_scores:
            Quality: 2482.00   Length: 455
            Ratio: 5.467   Gaps: 0
  Percent Similarity: 99.780   Percent Identity: 99.780

alignment_block:
US-09-525-998A-2 x US-08-050-319B-24

Align seq 1/1 to: US-08-050-319B-24 from: 1 to: 2062

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 17 uLeuLeuValGlyIleTyrProSerGlyValIleGluValProHisL 34
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205 CCTGCTCCTGGGCAATATACCCCTCAGGGGTGATTGAGGTTCCACAC 254

 34 euGlyAspArgGlyLysArgAspSerValCysProGlnGlyLysTyrIle 50
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 51 HisProGlnAsnAsnSerIleCysCysThrLysCysHisLysGlyThrTy 67
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 67 rLeuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGlu 84
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1606 CCCAGCCTTCTCCGA 1620

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; Sequence 24, Application US/08050319B
; Patent No. 5633145
; GENERAL INFORMATION:
; APPLICANT: M.Feldmann, F.W. Gray,
; APPLICANT: M.J.C. Turner, F.M. Brennan
; TITLE OF INVENTION: Modified human TNFalpha (Tumor
; TITLE OF INVENTION: Necrosis Factor alpha) Receptor
; NUMBER OF SEQUENCES: 57
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Reed & Robbins
; STREET: 635 Bryant Street
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94301
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US-08-050-319B
; FILING DATE: 10-May-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:

GENERAL INFORMATION:
    APPLICANT: M.Feldmann, P.W. Gray,
    APPLICANT: M.J.C. Turner, F M Brennan
    TITLE OF INVENTION: Modified human TNFalpha (Tumor
    TITLE OF INVENTION: Necrosis factor alpha) Receptor
    NUMBER OF SEQUENCES: 57
    CORRESPONDENCE ADDRESS:
        ADDRESSEE: Reed & Robbins
        STREET: 635 Bryant Street
        CITY: Palo Alto
        STATE: California
        COUNTRY: USA
        ZIP: 94301
    COMPUTER READABLE FORM:
        MEDIUM TYPE: Floppy disk
        COMPUTER: IBM PC compatible
        OPERATING SYSTEM: PC-DOS/MS-DOS
        SOFTWARE: PatentIn Release #1.0, Version #1.25
    CURRENT APPLICATION DATA:
        APPLICATION NUMBER: US-09-465-982-24
        FILING DATE:
        CLASSIFICATION:
    PRIOR APPLICATION DATA:
        APPLICATION NUMBER: 08/98/050,315
        FILING DATE: 10-May-1994
    ATTORNEY/AGENT INFORMATION:
        NAME: Robbins, Roberta L.
        REGISTRATION NUMBER: 34,208
        REFERENCE/DOCKET NUMBER: 5150-0040
    TELECOMMUNICATION INFORMATION:
        TELEPHONE: (415) 617-8999
        TELEFAX: (415) 327-1231
US-08-465,982-24

INFORMATION FOR SEQ ID NO: 24:
    SEQUENCE CHARACTERISTICS:
        LENGTH: 2042 base pairs
        TYPE: nucleic acid
        STRANDEDNESS: double
        TOPOLOGY: linear
    MOLECULE TYPE: cDNA to mRNA
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        LOCATION: 155..1519
US-08-465,982-24

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    Quality: 2482.00   Length: 455
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    Percent Similarity: 99.780 Percent Identity: 99.780

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401 TyrSerMetLeuAlaThrTrpArgArgArgThrProArgArgGluAlaThr 417
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seq_documentation_block:
; Sequence 24, Application US/09465982
; Patent No. 5861786

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seq_documentation_block:
; Sequence 10, Application US/08762308
; Patent No. 5925548
; GENERAL INFORMATION:
;   APPLICANT: Beutler, Bruce A.
;   APPLICANT: Bazzoni, Flavia M.
;   TITLE OF INVENTION: MODIFIED RECEPTORS THAT CONTINUOUSLY
;   TITLE OF INVENTION: SIGNAL
;   NUMBER OF SEQUENCES: 11
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Arnold, White & Durkee
;   STREET: P.O. Box 4433
;   CITY: Houston
;   STATE: TX
;   COUNTRY: USA
;   ZIP: 77210-4433
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/762,308
;   FILING DATE: 09-DEC-1996
;   CLASSIFICATION: 530
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US 08/224,593
;   FILING DATE: 05-APR-1994
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Kitchell, Barbara S.
;   REGISTRATION NUMBER: 33,928
;   REFERENCE/DOCKET NUMBER: UTSD:335-1
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 418-3000
;   TELEFAX: 474-7577
; INFORMATION FOR SEQ ID NO: 10:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 1956 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
US-08-762-408-10

alignment_scores:
;   Quality: 1521.00   Length: 451
;   Ratio: 4.133   Gaps: 7
; Percent Similarity: 81.596   Percent Identity: 65.188

alignment_block:

US-09-525-998A-2 x US-08-762-308-10

Align seq 1/1   to: 1 to: 1956   US-08-762-308-10 from: 1 to: 1956

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 17 uLeuLeuValGlyLicTyrProSerGlyValIlcGlyValIleCGlyValProHisIl   34
    |||||||||||||||||||||||||||||||||||||||||||||||||
146 TCTGCTGCTGGGGA ACATCCATCCAGGGGTCACAGGACTAGTCCCTTCTC  195

 34 euGlyAspArgGlnLysArgAspSerValCysProGlnGlyLysTyrIle   50
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196 TTGGTGACCGGCAGAAGAGGGATAGTTTGTGCTCCCAAGGAAAGTATGTC  245

 51 HisProCInAsnAsnSerIleCysCysThrLysCysHisLysGlyThrTy   67
    |||||||||||||||||||||||||||||||||||||||||||||||||
246 CATTCTAAGAACAATTCCATCTGTGCACCAAGTGCCACAAGGAACCTA  295

 67 rLeuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGluC   84
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296 CTTGGTGAGTGACTGTCCTGGACCCGGAGGCGGGGATACAGGTCTGCAGGAGT  345

 84 ysGlySerGlySerPheThrAlaSerGluAsnHisLeuArgHisCysLeu  100
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346 GTGAAAAGGGCACCTTTACGGCTTCCCAGAATTACCTCAGGCAGTGTCTC  395

101 SerCysSerLysCysArgLysGluMetCGlnValGluLeuSerSerCy  117
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396 AGTTGCAAGACATGTCGGAAAGAAATGTGGAAGTGAGTCTGTCTTG  445

117 sThrValAspAspArgAspThrValCysGlyCysSerArgLysAsnGlnTyrArgH  134
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446 CCAAGCTGACAAGGACACCGGTGTGTGGTTAAGGAAGAACCAGTTCCAAC  495

134 isTyrTrpSerGluAsnLeuPheGlnCysPheAsnCysSerLeuCysLeu  150
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496 GCTACCTGAGTGAGAACCTGTTCCAGTGCTTCAATGGCTGCAGCCCTGCCTC  545

151 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh  167
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546 AACGGCACGGTGACAACCAGTCAGAACAGGTGTGTAA  595

167 rCysHisAlaGlyPhePheLeuArgGluAsnGluCysValSerCysSerA  184
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596 CCTGCCCAGAAGCGCCCTTCTTTCGAGACAAAGTCAGTGCCCTGCCACCG  645

184 snCysLysLysSerLeuGluCysThrLysLeuCysLeu   ProGlnIle  199
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646 ACTGCAAGAAGAAAATCAGGAGTGCATGAAGCTGTGCCTACCCCAGTA  695

200 GlnAspValLysGlyThrGluAspSerGlyThrThrValLeuGlnProto  216
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696 GCAAATGTCACAAAGGGCAAGAAGAGATCAGGTACTGCGGTGTTGCCCCT  745

216 oValIlePhePheIleGlyAlaValCysLeuLeuSerLeuLeuIleGlyLeuM  233
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746 GCTTATCTTCCTCAGGCTCATTGCCCCTTCCTCTATCTTCATCACAGTTAA  795

233 etTyrArgTrpGluAsnThrLysSerLeuLysTyrSerIleValCysGly  249
    |||||||||||||||||||||||||||||||||||||||||||||||||
796 TGTGCCGGATAATCCCGGTGGCAGGGCCCGGAAGCTCACTCCAATCATTTGTAGG  845

250 LysSerThrProGluLysGlyLeuGlyCysGlyThrThrThrLysGlySr  266
    |||||||||||||||||||||||||||||||||||||||||||||||||
846 GATCCGGTGCCTGTCAAAGA...GAGAAGGTGGA      AAGCC  884

266 oLeu.....AlaProAsnProSerPheSerProGlyThrProGlyPheThrP  281
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884 CCTAAACTCCAGCCCCCCCCCAGCCCCACCCTCCGGCTTCAACC  933

281 
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934 (right side continuation)
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    |||||||||||||||||||||||||||||||||||||
984 CCCATCAGCCCATTCGGTCCTAGTAACTGGAACTTCATGCACCTGT  1033

311 gAlaArgGluValAlaProProTyrGlnGlyAlaAspSerProLeuAlaThrA  328
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1034 CAGTGAGGTATGCCAACC...CAGGGAGTGACCACCGTCGTGACGGAAA  1080

328 laLeuAlaSerAspProIleProAspProAsnProLeuGlyLysTrpGluAspSer  344
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1081 CACTGTCCACGGAGGCCAGAGGCAGTCTGGT ACAAATGGTA AAAAGTCGC  1130

345 AlaHisLysProGlnSerLeuAspThrAspAspProAlaThrLeuTyrAl  361
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361 aValValGluAsnValProProLeuArgTrpLysGluValLeuValArgAr  378
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378 gGlyLeuSerLeuPheArgGlnLeuArgProPheGluGln  394
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1228 TGGGGTAG GACGAACGAGCAGACGGCCG  1277

395 CysLeuArgGluAlaGlnSerMetLeuAlaThr  411
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1278 TGCCTGCGGGAGGCCCAGAGCAT GCTGGCCA  1327

411 rProArgArgGluAlaThrLeuGluLeuGlyArgValLeuArgAspPh  428
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428 etAspLeuLeuGlyCysLeuGluGluAsnGluGluLeuAlaLeuCysGlyPro  444
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445 Ala 445
    |||
1428 GCC 1430
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;   NAME: Lee, Wendy M.
;   REGISTRATION NUMBER:
;   REFERENCE/DOCKET NUMBER: 798
;   TELECOMMUNICATION INFORMATION:
;       TELEPHONE: 415/225-1994
;       TELEFAX: 415/952-9881
;       TELEX: 910/371-7168
;   INFORMATION FOR SEQ ID NO: 2:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH: 6889 bases
;           TYPE: nucleic acid
;           STRANDEDNESS: double
;           TOPOLOGY: linear
US-08-286-740-2

alignment_scores:
        Quality: 1333.50          Length:       432
        Ratio:   4.162            Gaps:          15
Percent Similarity: 48.856   Percent Identity: 50.722

alignment_block:
US-09-525-998A-2 x US-08-286-740-2

Align seq 1/1 to  US-08-286-740-2   from 1  to: 6889

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   34 LeuGlyAspArgGlnLysArgAspSerValCysProGlyLysTyrIle      50
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 1705 TAGGGGACAGGGAGCAGACGAGATAGTGTGTCCCCAAGGAAAATATATC  1754

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   67 ThrLeuTyrAspAspCysArgProCysProGlyProAspThrAspCysArgCys   84
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 2237                                                     2237

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 2237                                                     2237

  251 SerThrProGlyGlyGluGly..............GluGlyTh    262
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  262 rThrThrLysProLeuAlaProAspPheAsnProSerProProProGlyP    279
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  279 heThrProThrLeuGlyPheSerProProSerSerThrThrThrSer    295
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  385 IleAspArgLeuGluLeuGlnAsnGlyArgCysLeu...ArgGlnAlaGl    400
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seq_name: /sqn2.6/ptodata/2/ina/PCTUS COMB seq-PCT-US95-09576 2

seq_documentation_block:
;   Sequence 2, Application PC/TUS9509576
;   GENERAL INFORMATION:
;     APPLICANT: GENENTECH, INC.
;     TITLE OF INVENTION: METHOD FOR SELECTING HIGH-EXPRESSING
;     TITLE OF INVENTION: HOST CELLS
;     NUMBER OF SEQUENCES: 4
;     CORRESPONDENCE ADDRESS:
;       ADDRESSEE: Genentech, Inc.
;       STREET: 460 Point San Bruno Blvd
;       CITY: South San Francisco
;       STATE: California
;       COUNTRY: USA
;       ZIP: 94080
```

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COMPUTER READABLE FORM:
  MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk
  COMPUTER: IBM PC compatible
  OPERATING SYSTEM: PC-DOS/MS-DOS
  SOFTWARE: patin (Genentech)
CURRENT APPLICATION DATA:
  APPLICATION NUMBER: PCT/US95/09576
  FILING DATE:
  CLASSIFICATION:
PRIOR APPLICATION DATA:
  APPLICATION NUMBER: 08/284749
  FILING DATE: 05 AUG 1994
ATTORNEY/AGENT INFORMATION:
  NAME: Lee, Wendy M.
  REGISTRATION NUMBER: 00,000
  REFERENCE/DOCKET NUMBER: 798PCT
TELECOMMUNICATION INFORMATION:
  TELEPHONE: 415/225-1994
  TELEFAX: 415/952-9881
  TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 2:
  SEQUENCE CHARACTERISTICS:
    LENGTH: 6889 bases
    TYPE: nucleic acid
    STRANDEDNESS: double
    TOPOLOGY: linear
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PCT-US95-09576-2

alignment_scores:
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  Quality: 1223.50              Length:       432
  Ratio:   4.162                Gaps:          15
Percent Similarity: 68.056      Percent Identity: 57.722
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alignment_block:
US-09-525-998A-2 x PCT-US95-09576-2

Align seq 1/1   to: PCT-US95-09576-2   from: 1   to: 6889

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   1 MetGlyLeuSerThrValProAspLeuLeuProLeuValLeuLeuGl   17
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1605 ATGGG...TGT...GA 1654

  17 uLeuLeuValGlyIleTyrProSerGlyValIleGlyLeuValProHisL   34
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1655 GCTGTTGGGTGGGAATAIA...CCCTCACC 1704

  34 euGlyAspArgGluLysArgAspSerValCysProGlnGlyLysTyrIle   50
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1705 TAGGGGACA...AAAATATATC 1754

  51 HisProGlnAsnAsnSerIleCysCysTyrHisLysCysHisLysGlyThrTy   67
     ||||||||||||||||||||||||||||||||||||||||||||||
1755 CACCCC...AAAGAACTA 1804

  67 rLeuTyrAspAspProGlyProGlyGlnAspThrAspCysArgGluC   84
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1805 CTTGTACAA...CAGGGAGT 1854

  84 ySGlyAspArgGluLysArgAsnGlyAsnHisLeuArgHisCysTyrLeu  100
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1855 GTGAGAGG...AACTGCTC 1904

 101 SerCysSerLysCysArgGlyMetGlyGlnValGluIleSerSerCy  117
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1905 AGCTGCTCA...ATCTTCTTG 1954

 117 sThrValAspArgAsnThrValCysGlyCysArgLysAsnGlnTyrArgH  134
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1955 CACATGCAACA...CACTACCGGC 2004

 134 isTyrTrpSerGluAsnLeuPheGlnCysPheAsnCysSerLeuCysLeu  150
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seq_documentation_block:

; Sequence 6, Application US/08627151A
; Patent No. 5866341
; GENERAL INFORMATION:
;   APPLICANT: SPINELLA, Dominic
;   APPLICANT: BECHERER, Kathleen
;   APPLICANT: BROWN, Steven
;   TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
;   TITLE OF INVENTION: SCREENING DRUG LIBRARIES
;   NUMBER OF SEQUENCES: 19
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Gen-Probe Incorporated
;   STREET: 10210 Genetic Center Drive
;   CITY: San Diego
;   STATE: CA
;   COUNTRY: USA
;   ZIP: 92121
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Diskette
;   COMPUTER: IBM Compatible
;   OPERATING SYSTEM: DOS
;   SOFTWARE: FastSEQ for Windows Version 2.0
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/08/627,151A
;   FILING DATE: 03-APR-1996
;   CLASSIFICATION: 435
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:
;   FILING DATE:
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Fisher, Carlos A
;   REGISTRATION NUMBER: 36,510
;   REFERENCE/DOCKET NUMBER: CB1016
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: 619-410-8926
;   TELEFAX: 619-410-8928
;   TELEX:
;
; INFORMATION FOR SEQ ID NO: 6:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 6896 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: single
;   TOPOLOGY: linear
; US-08-627-151A-6

alignment_scores:
            Quality: 1192.00   Length: 211
            Ratio: 5.649   Gaps: 0
Percent Similarity: 100.000 Percent Identity: 100.000

alignment_block:
US-09-525-998A-2 x US-08-627-151A-6
Align seq 1/1 to US-08-627-151A-6 from 1 to 6896

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 935 ATGGGCCTCTCAACTGTACCTGA'TCTGCTGCTGCCTCTGGTGCTGCTGGGA 984

  17 uLeuLeuValGlyL'ysCysProSerGlyValIleGlyLeuValProHisL 34
     ||||||||||||||||||||||||||||||||||||||||||||||||||
 985 GCTGCTGGTGGGAAATATGCCCTCAGGGTATTGGACGTCCCTCACC 1034

  34 euGlyAlaArgI'leCysArgAspCysSerValGlySerGlu...TyrIle 50
     ||||||||||||||||||||||||||||||||||||||||||||||||||
1045 TAGGGGACAGGGAGAAGAGACATAGTGTGTCAAGGAAAATATATC 1084

  51 HisProGlnAsnAsnSerIleCysCysThrLysCysSerLysGlyThrTy 67
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1085 CACCCTAAAATAATTCGATTTGCTGACCAAGTGCACAAGGAACCTA 1134

  67 rLeuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGluC 84
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Thu Apr 25 14:26:12 2002

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;     TOPOLOGY: linear
;   MOLECULE TYPE: cDNA to mRNA
;   FEATURE:
;       NAME/KEY: CDS
;       LOCATION: 1..597
US-09-050-3198-47

alignment_scores:
        Quality: 1124.00              Length:     199
        Ratio:  5.677                 Gaps:       0
Percent Similarity: 99.497    Percent Identity: 99.497

alignment_block:
US-09-525-998A-2 x US-08-050-3198-47    ...

Align seq 1/1   to: US-08-050-3198-47   from: 1   to: 600

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  1  ATGGGCCTCTCCACCGTGCCTGACCTGCTGCTGCCGCTGGTGCTCCTGGA  50

 17  uLeuLeuValGlyIleGlyProSerGlyValIleCysValProHisIleL  34
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 51  GCTGTTGGTGGGAATATACCCTAGGGTTATIGAGTGTCCTCATCTAC  100

 34  euCysAsprTnrTysArgAspTrpTysValCysProGlnThrTrTnrG  50
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101  TAGGGCACAGGCAACGAAGACAGATCGTGTCCCACAGCAAAATATATC  150

 51  HisProGlnAsnAsnSerIleCysCysThrLysCysHisLysGlyThrTy  67
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151  CACCCTCAAAATAATTCGATTCGTGTACCAAGTGCCACAAAGGAACCTA  200

 67  rLeuTyrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGluC  84
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251  GTGCAGGCGGCTCGTTCACCGCTTCAGAAAACCACCTCAGACACTGCCTC  300

101  SerCysSerLysCysArgLysGluMetGlyGlnValGluIleSerSerCy  117
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301  AGCTGCTCCAAATGCCGCAAAGGAAATGGGTCAGGTGGAGATCTCTTCTTG  350

117  sThrValAspArgAspThrValCysGlyCysArgLysAsnGlnTyrArgH  134
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351  CACAGTGGACCGAGACACAGTGTGTGGCTGTAGGAAAAACCAGTACAGGCA  400

134  isTyrTrpSerGluAsnLeuPheGlnCysPheAsnCysSerLeuCysLeu  150
     ||||||||||||||||||||||||||||||||||||||||||||||||||
401  ATTATTGGAGTGAAAACCTTTTCCAGTGCTTCAATTGCAGTCTCCTGTCTC  450

151  AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh  167
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451  AATGGGACCGTGCACCTCTCTGCCAGGAGAAACAGAACACCGTGTGCAC  500

167  rCysHisAlaGlyPhePheLeuArgGluAsnGluCysValSerCysSerA  184
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501  CTGTCATGCAGGTTTCTTCTAAAGAAAACGAATGTGTGTCCTGTAGTA  550

184  snCysLysLysSerLeuGluCysThrLysLeuCysLeuProGlnIleG  199
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seq_documentation_block:
; Sequence 47, Application US/08650982
; Patent No. 5863786
; GENERAL INFORMATION:
;   APPLICANT: M.Feldmann, P.W. Gray,

;   APPLICANT: M.J.C. Turner, E.M.Brennan
;   TITLE OF INVENTION: Modified human TNFalpha (Tumor
;   TITLE OF INVENTION: Necrosis Factor alpha) Receptor
;   NUMBER OF SEQUENCES: 57
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE: Reed & Robbins
;   STREET: 635 Bryant Street
;   CITY: Palo Alto
;   STATE: California
;   COUNTRY: USA
;   ZIP: 94301
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE: Floppy disk
;   COMPUTER: IBM PC compatible
;   OPERATING SYSTEM: PC-DOS/MS-DOS
;   SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER: US/09,465,982
;   FILING DATE:
;   CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER: US/08/050,419
;   FILING DATE: 10-May-1993
;   ATTORNEY/AGENT INFORMATION:
;   NAME: Robbins, Robert L.
;   REGISTRATION NUMBER: 34,208
;   REFERENCE/DOCKET NUMBER: 5150-0040
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE: (415) 617-8994
;   TELEFAX: (415) 327-4241
;   INFORMATION FOR SEQ ID NO: 47:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH: 600 base pairs
;   TYPE: nucleic acid
;   STRANDEDNESS: double
;   TOPOLOGY: linear
;   MOLECULE TYPE: cDNA to mRNA
;   FEATURE:
;   NAME/KEY: CDS
;   LOCATION: 1..597
US-09-465-982-47

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        Ratio: 5.677   Gaps: 0
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  1 ATGGGCCTCTCCACCGTGCCTGACCTGCTGCTGCCGCTGGTGCTCCTGGA 50

 17 uLeuLeuValGlyIleGlyProSerGlyValIleCysValProHisIle 34
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 51 GCTGTTGGTGGGAATATACCCTAGGGTTATIGAGTGTCCTCATCTACTGC 100

 34 euGlyAspArgGluLysAspArgAspSerValCysProGlnThrLysTyrIle 50
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101 TAGGGCACAGGCAACGAAGACAGATCGTGTCCCACAGCAAAATATATC 150

 51 HisProGlnAsnAsnSerIleCysCysThrLysCysHisLysGlyThrTy 67
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;  FEATURE:
;      NAME/KEY:    CDS
;      LOCATION:    279..1287
;  US-08-804-166-7

alignment_scores:
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                  Ratio:     3.923               Gaps:      12
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  269 CTCCCCAGGCCCCGACCCCGACCCCGTTCCCT                   298

   19 uValGlyIleTyrProSerGlyValIleGlyValProHisLeuGlyA   36
                              :::||  ||||||
  299 ...GGCTTGGGTGT          CTGACGCCTCGGCTT          429

   36 spArgGluLys.ArgAspSerValCysProGlnGlyTyrIleCysPr   52
         :|||   :::                    ||||||||||||||||
  410 CAAAGGCAGTGTAGTACATAGTCCCCAAGAAAATAFATCCACGG      579

   52 oGlnAsnAsnSerIleCysCysThrLysCysHisLysGlyHisThrTyrLeuT   69
  380 TCAAAATAATTCCGATTTGCTGTACCAAGTGCCACAAGGAACCTACTGT     429

   69 yrAsnAspCysProGlyProGlyGlnAspThrAspCysArgGluCysGlu   85
         ||||||||||||||||||||||||||||||||||||||||||||
  430 ACAATGCAGTGCTGGAGGAGGAGATACGAGTGCAGGAGTGTGAG        479

   86 SerGlySerPheThrAlaSerGluArgHisCysLeuSerCy   102
         |||||||||||||||||||||||||||||||||||||||
  480 AGGGGCTCTTCACTGCTAAAACTTCTAGACATGTAGTAGCTG         529

  102 sSerLysCysArgLysGluMetGlyGlnValGluGlnSerSerCysThrV   119
         ||||||||||||||||||||||||||||||||||||||||
  530 CTCCAAATGCCGAAAGGAAATGGGTCAGGTGGAGAATCTTCTTGCACAG   579

  119 alAspArgAspThrValCysGlyCysArgLysAsnGlnTyrArgHisTyr   135
         |||||||||||||||||||||||||||||||||||||||||||||
  580 TGACCGGGACACTGTTTGTGGCTGCAGAAAACAATAGACGGCATTAT     629

  136 TrpSerGluAsnLeuPheGlnCysPheAsnCysSerLeuCysLeuAsnGl   152
         ||||||||||||||||||||||||||||||||||||||||||||||
  630 TGGAGTGAAAACTTTTCAATGCTTTAATGCAGTCTGCTTCAATGG      679

  152 yThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysThrCysH   169
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  780 AAGAAAAGTCTAGTGCTGCACCAAGTTGCCTACCCATTCAGAATCT      829

  202 lLysGlyThrGluAspSerGlyThrThr......................   211
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  830 TAAGGGCACTGAGGACACTCAGGACCACCAGCCTGCTGGTCCACGGTGGCC  879

  211 .................................................  211
  880 GCCCCATCAATGCCACCTACCTGGTCTGTAGAGGAAGAGTCCCCGTGGC     929

  212 ValLeuLeuProLeuValIleProPhePheGlyVallLeuCys...LeuLeuSerIle 227

seq_name:  /eqn2_6/ptedata2/ipa/65-0/MB seq US-08-804-166-7

seq_documentation_block:
; Sequence 7, Application US/08804166
; Patent No. 6193972
; GENERAL INFORMATION:
;    APPLICANT:   Campbell, Robert K.
;    APPLICANT:   Jameson, Bradford A.
;    APPLICANT:   Chappel, Scott C.
;    TITLE OF INVENTION:  HYBRID PROTEINS
;    NUMBER OF SEQUENCES:  22
;    CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  BROWDY AND NEIMARK
;       STREET:  419 Seventh Street N.W., Ste. 300
;       CITY:  Washington
;       STATE:  D.C.
;       COUNTRY:  USA
;       ZIP:  22207
;    COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.30
;    CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/804,166
;       FILING DATE:
;       CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  60/011,936
;       FILING DATE:  20 February 1996
;       CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;       NAME:  Browdy, Roger L.
;       REGISTRATION NUMBER:  25,618
;       REFERENCE/DOCKET NUMBER:  CAMPBELL-2A
;    TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (202) 628-5197
;       TELEFAX:  (202) 737-3528
; INFORMATION FOR SEQ ID NO:  7:
;    SEQUENCE CHARACTERISTICS:
;       LENGTH:  1301 base pairs
;       TYPE:  nucleic acid
;       STRANDEDNESS:  single
;       TOPOLOGY:  linear
;       MOLECULE TYPE:  cDNA
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  101 SerCysSerLysCysArgLysGluMetGlyValGlnValGluSerSerCy   117
        |||||||||||||||||||||||||||||||||||||||||||||||||
  301 AGCTGCTCCAAAATGCCGAAAGGGAGTCCAGGTGGAGTCTCTTCCTTG   350

  117 sThrValAspArgAspThrValCysGlyCysArgLysAsnGlnTyrArgH   134
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  351 CACAGTGACAGGGACACTGTGTGTGGCTGCAGGAAGAACCAGTACCGGC   400

  134 isTyrTrpSerGluAsnLeuPheGlnCysPheAsnCysSerLeuCysLeu   150
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  401 ATTATTGGAGTGAAAACCTTTTCAATGCTTTAATTGTTCTTTGTCT   450

  151 AsnGlyThrValHisLeuSerCysGlnGluLysGlnAsnThrValCysTh   167
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  451 AATGGGACCGTGCACCTCTCCTGCCAGGAGAAACAGAACACCGTGCAC   500

  167 rCysHisAlaGlyPhePheLeuArgGluAsnGluCysValSerCysSerA   184
        |||||||||||||||||||||||||||||||||||||||||||||||||
  501 CTGCCATGCAGGTTCTTTCTAAGAGAAAACGAGTGTGTCTCCTAGTA   550

  184 snCysLysLysSerLeuCysCysThrLysLeuCysLeuCysGlnIle   199
        |||||||||||||||||||||||||||||||||||||||||||||||||
  551 ACTGTAAGAAAAGTCTGTGCTGCACCAAGTTGTCTACTATGTCAGATT   597

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                TELEPHONE:   (202) 628-5197
                TELEFAX:     (202) 737-2628
        INFORMATION FOR SEQ ID NO: 7:
                SEQUENCE CHARACTERISTICS:
                LENGTH: 1301 base pairs
                TYPE: nucleic acid
                STRANDEDNESS: single
                TOPOLOGY: linear
                MOLECULE TYPE: cDNA
                FEATURE:
                NAME/KEY: CDS
                LOCATION: 29..1267
        US-08-910-991-7

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us-09-525-998A-2 x US-08-910-991-7

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;  Sequence 7, Application US/08910991
;  Patent No. 6194177
;  GENERAL INFORMATION:
;       APPLICANT:  Campbell, Robert K.
;       APPLICANT:  Jameson, Bradford A.
;       APPLICANT:  Chappel, Scott C.
;       TITLE OF INVENTION:  HYBRID PROTEINS
;       NUMBER OF SEQUENCES:  22
;       CORRESPONDENCE ADDRESS:
;               ADDRESSEE:  BROWDY AND NEIMARK
;               STREET:  419 Seventh Street N.W., Ste. 300
;               CITY:  Washington
;               STATE:  D.C.
;               COUNTRY:  USA
;               ZIP:  22207
;       COMPUTER READABLE FORM:
;               MEDIUM TYPE:  Floppy disk
;               COMPUTER:  IBM PC Compatible
;               OPERATING SYSTEM:  PC-DOS/MS-DOS
;               SOFTWARE:  PatentIn Release #1.0, Version #1.30
;       CURRENT APPLICATION DATA:
;               APPLICATION NUMBER:  US/08/910,991
;               FILING DATE:
;               CLASSIFICATION:  530
;       PRIOR APPLICATION DATA:
;               APPLICATION NUMBER:  08/834,166
;               FILING DATE:  20 February 1997
;       PRIOR APPLICATION DATA:
;               APPLICATION NUMBER:  60/011,936
;               FILING DATE:  20 February 1996
;       ATTORNEY/AGENT INFORMATION:
;               NAME:  YUN, Allen C.
;               REGISTRATION NUMBER:  37,971
;               REFERENCE/DOCKET NUMBER:  CAMPBELL-2B
;       TELECOMMUNICATION INFORMATION:
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FILING DATE:  20 February 1996
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
  NAME:  Browdy, Roger L.
  REGISTRATION NUMBER:  25,618
  REFERENCE/DOCKET NUMBER:  CAMPBELL-2A
TELECOMMUNICATION INFORMATION:
  TELEPHONE:  (202) 628-5197
  TELEFAX:  (202) 737-3528
INFORMATION FOR SEQ ID NO:  5:
  SEQUENCE CHARACTERISTICS:
  LENGTH:  1147 base pairs
  TYPE:  nucleic acid
  STRANDEDNESS:  single
  TOPOLOGY:  linear
  MOLECULE TYPE:  cDNA
  FEATURE:
  NAME/KEY:  CDS
  LOCATION:  278..1132
US-08-804-166-5
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  Ratio:  5.131             Gaps:        4
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seq_documentation_block:
; Sequence 5, Application US/08804166
; Patent No. 6194072
; GENERAL INFORMATION:
;   APPLICANT:  Campbell, Robert K.
;   APPLICANT:  Jameson, Bradford A.
;   APPLICANT:  Chappel, Scott C.
;   TITLE OF INVENTION:  HYBRID PROTEINS
;   NUMBER OF SEQUENCES:  22
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  BROWDY AND NEIMARK
;     STREET:  419 Seventh Street N.W., Ste. 300
;     CITY:  Washington
;     STATE:  D.C.
;     COUNTRY:  USA
;     ZIP:  22207
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:  IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:  PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/804,166
;     FILING DATE:
;     CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER:  60/011,706
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Thu Apr 25 14:26:12 2002

us-09-525-998a-2.rni

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    202  LysLysThrGluAspSerCysThrThrVal...LeuLeuProLeuVal  217
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